

Annual Report 2012

Production Sector

OMB Control No. 2060-0328

Pending OMB Approval



Company Information

Company Name: **ConocoPhillips**

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Company Information Updated: **No**

Activities Reported

BMP1: No BMP2: No BMP3: Yes

Total Methane Emission Reductions Reported This Year: **2,131,859**

Previous Years' Activities Reported: **No**

Period Covered by Report

From: **01/01/2012**

To: **12/31/2012**

☒ I hereby certify the accuracy of the data contained in this report.

Additional Comments

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

SJBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Artificial lift: install plunger lifts (10 years)

Please describe how your company implemented this PRO:

Optimization/upgrade of plunger lift controllers

C. Level of Implementation

Number of units installed: 177 units

D. Methane Emissions Reduction

Methane Emissions Reduction: **363,912 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

☒ Multi-year

If Multi-year:

- ☒ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**Estimated cost of implementing the PRO (including equipment and labor): **\$ 3,540,000****G. Total Value of Gas Saved**Value of Gas Saved: **\$ 1,273,692**\$ / Mcf used: **\$ 3.50****H. Planned Future Activities**To what extent do you expect to implement this PRO next year?: **continue implementation****Previous Years' Activities**

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

SJBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Convert natural gas-driven chemical pumps (10 years)

Please describe how your company implemented this PRO:

Replace gas-driven with solar powered chemical pumps

C. Level of Implementation

Number of units installed: 50 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 4,550 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

✓ Multi-year

If Multi-year:

- ✓ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**Estimated cost of implementing the PRO (including equipment and labor): **\$ 215,000****G. Total Value of Gas Saved**Value of Gas Saved: **\$ 15,925**\$ / Mcf used: **\$ 3.50****H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

GCBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Convert natural gas-driven chemical pumps (10 years)

Please describe how your company implemented this PRO:

Replace gas driven chem pumps with solar powered

C. Level of Implementation

Number of units installed: 18 units

D. Methane Emissions Reduction

Methane Emissions Reduction: **10,585 Mcf/year**

Basis for the emissions reduction estimate: **Calculation using manufacturer specifications**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

☒ Multi-year

If Multi-year:

- ☒ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): \$ 687,744

G. Total Value of Gas Saved

Value of Gas Saved: \$ 74,095

\$ / Mcf used: \$ 7.00

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

MCBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Convert natural gas-driven chemical pumps (10 years)

Please describe how your company implemented this PRO:

convert to solar-powered chemical pumps

C. Level of Implementation

Number of units installed: 29 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 10,585 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

✓ Multi-year

If Multi-year:

- ✓ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): **\$ 255,200**

G. Total Value of Gas Saved

Value of Gas Saved: **\$ 74,095**

\$ / Mcf used: **\$ 7.00**

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

SJBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Eliminate unnecessary equipment and/or systems

Please describe how your company implemented this PRO:

Wellsite compressor optimization projects - downsize base compression fleet for compressors that are less than 20-25% utilized.

C. Level of Implementation

Number of units installed: 45 units

D. Methane Emissions Reduction

Methane Emissions Reduction: **363,696 Mcf/year**

Basis for the emissions reduction estimate: **Calculation using manufacturer specifications**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

☒ One-year

☐ Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**Estimated cost of implementing the PRO (including equipment and labor): **\$ 1,836,964****G. Total Value of Gas Saved**Value of Gas Saved: **\$ 1,272,936**\$ / Mcf used: **\$ 3.50****H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

MCBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Eliminate unnecessary equipment and/or systems

Please describe how your company implemented this PRO:

optimized CO2 plant compression

C. Level of Implementation

Number of units installed: 2 units

D. Methane Emissions Reduction

Methane Emissions Reduction: **261,262 Mcf/year**

Basis for the emissions reduction estimate: **Calculation using manufacturer specifications**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

☒ Multi-year

If Multi-year:

- ☒ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ _____

G. Total Value of Gas Saved

Value of Gas Saved: \$ 1,828,834

\$ / Mcf used: \$ 7.00

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

SJBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Install no bleed controllers (10 years)

Please describe how your company implemented this PRO:

replacement of high-bleed controllers

C. Level of Implementation

Number of units installed: 64 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 3,109 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

✓ Multi-year

If Multi-year:

- ✓ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**Estimated cost of implementing the PRO (including equipment and labor): **\$ 320,000****G. Total Value of Gas Saved**Value of Gas Saved: **\$ 10,882**\$ / Mcf used: **\$ 3.50****H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

SJBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Perform reduced emissions completions for hydraulically fractured natural gas wells

Please describe how your company implemented this PRO:

Closed-loop completions

C. Level of Implementation

Number of units installed: 100 units

D. Methane Emissions Reduction

Methane Emissions Reduction: **906,800 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

☒ One-year

☐ Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**Estimated cost of implementing the PRO (including equipment and labor): **\$ 3,500,000****G. Total Value of Gas Saved**Value of Gas Saved: **\$ 3,173,800**\$ / Mcf used: **\$ 3.50****H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

MCBU

B. Description of PRO

Please specify the technology or practice that was implemented:

Perform reduced emissions completions for hydraulically fractured natural gas wells

Please describe how your company implemented this PRO:

reduced emissions completions

C. Level of Implementation

Number of units installed: 20 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 207,360 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

☒ One-year

☐ Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): \$ 412,556

G. Total Value of Gas Saved

Value of Gas Saved: \$ 725,760

\$ / Mcf used: \$ 3.50

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: _____

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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Additional Accomplishments